

Title (en)  
PROCESS FOR OPERATING AN ELECTROFILTER

Publication  
**EP 0035209 B1 19840627 (DE)**

Application  
**EP 81101300 A 19810223**

Priority  
DE 3007364 A 19800227

Abstract (en)  
[origin: EP0035209A1] 1. A process for operating an electrofilter circuit which is fed from an alternating voltage supply network by a control element (4) and a high-voltage rectifier (2) and wherein the control element (4) is controlled in dependence upon electrical operating filter data, characterized in that a cycle, which comprises a half-wave of the alternating network supply voltage, the electrical operating filter data is repeatedly sampled and stored by a microprocessor (52), and that at the end of the sampling cycle, the microprocessor (52) transfers the required current and voltage values to a subordinate further microprocessor (51) of the same micro-computer system, which microprocessor calculates the control signal of the control element (1) in accordance with predetermined criteria, and only immediately transmits to the subordinate microprocessor (51) the breakdown signal derived by comparison of corresponding values of voltage and current in successive half-waves of the direct filter voltage.

IPC 1-7  
**B03C 3/68**

IPC 8 full level  
**B03C 3/68** (2006.01)

CPC (source: EP)  
**B03C 3/68** (2013.01)

Citation (examination)  
US 3893828 A 19750708 - ARCHER WILLIAM E

Cited by  
EP0569838A1; JP4817576B2; EP0132659A1; US4521228A; EP0499138A3; EP0696365A4; JP2003519004A

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